

SAFETY DATA SHEET

According to directive 1907/2006/EC, 2020/878

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Version 5.0

Revision date: 15-09-2022

Print date: 19-10-2022

Trade name: MS 253 A grigio

SECTION 1: Identification of the substance/mixture and of the company/undertaking

1.1 Product identification:

Product name: MS 253 A grigio
UFI code: GA02-S0SQ-7003-9T5X

1.2 Relevant identified uses of the substance or mixture and uses advised against:

Usage: Paste for modelling.
Recommended restrictions on use: For business use only.

1.3 Details of the supplier of the safety data sheet:

Responsible distributor : ASSYST bvba / A.S.O.W. bvba
Hellegatstraat 13a
2590 Berlaar
Belgium
Tel: +32 495 50 61 14 / +32 496 83 70 27
Website: www.assyst.org / www.artsuppliesonweb.com
Email: ao@assyst.org / vera.opsommer@assyst.org

1.4 Emergency phone number:

For Belgium:

Call the **Poison Control Center (070 245 245 - free)**, if not available: **02 264 96 30** (normal rate) or your doctor. In life-threatening situations, always call the European emergency number **112**.

NHS 24 Direct

For help from a GP, visit your GP surgery's website, use an online service to contact your GP, or call the surgery. **For urgent medical help**, use the NHS 111 online service, or **call 111** if you are unable to get help online. **For life-threatening emergencies, call 999** for an ambulance. There is more information about getting medical help on the NHS website.

SECTION 2: Hazard identification

2.1 Classification of the substance or mixture:

Classification according to directive (EC) No 1272/2008 and its amendments.

The product is classified according to current legislation.

Classification in accordance with Regulation (EC) No 1272/2008 as amended.

Health hazards

Skin corrosion/irritation, Category 2 - H315: Causes skin irritation.

Eye irritation, Category 2 - H319: Causes severe eye irritation.

Skin sensitisation, Category 1 - H317: May cause an allergic skin reaction.

Chronic aquatic toxicity, Category 2 - H411: Toxic to aquatic organisms with long-lasting effects.

For the full text of H phrases referred to in this section, see section 16.

2.2 Labelling elements:

Labelling according to regulation (EC) No 1272/2008 [CLP/GHS]:



Hazard pictograms:

Signal word

Warning.

Hazardous ingredients to be declared on the label:

- ✓ bis[4-(2,3-epoxypropoxy)phenyl]propane
- ✓ Epichlorohydrin-formaldehyde-phenol polymer number average molecular weight \leq 700
- ✓ Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives

Hazard statements:

H315 Causes skin irritation.

H317 May cause an allergic skin reaction.

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H319 Causes severe eye irritation.

H411 Toxic to aquatic organisms with long-lasting effects.

Precautions

Prevention:

P261 Avoid inhalation of dust/fume/gas/mist/vapour/spray.

P264 After handling this product, wash skin thoroughly.

P273 Avoid discharge into the environment.

P280 Wear protective gloves/eye protection/face protection.

Action:

P333 + P313 In case of skin irritation or rash: consult a doctor.

P391 Clean up any leaks/spills.

2.3 Other hazards:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

Ecological information:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Toxicological information:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

SECTION 3: Composition and information on ingredients

3.2 Mixtures:

Description:

Chemical description : Filled epoxy resin

Chemical Name	CAS No. EC No. Index no. Registration number	Classification (Regulation (EC) No 1272/008)	Concentration (%)
bis[4-(2,3-epoxypropoxy)phenyl]propane	1675-54-3 216-823-5 603-073-00-2 01-2119456619-26	Skin Irrit. 2; H315 Eye Irrit. 2; H319 Skin Sens. 1; H317 Aquatic Chronic 2; H411 Specific concentration limits Eye Irrit. 2; H319 >= 5 % Skin Irrit. 2; H315 >= 5 %	>= 20 - <= 25
Epichlorohydrin-formaldehyde-phenol polymer number average molecular weight <= 700	- - - 01-2119454392-40	Skin Irrit. 2; H315 Skin Sens. 1; H317 Aquatic Chronic 2; H411	>= 3 - < 5
benzyl alcohol	100-51-6 202-859-9 603-057-00-5 01-2119492630-38	Acute Tox.4; H302 Acute Tox.4; H332 Eye Irrit.2; H319	>= 1 - < 3
Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives	68081-84-5 - - 01-2119962192-39	Skin Sens.1; H317 Aquatic Chronic2; H411	>= 1 - < 2,5
Bis(isopropyl)naphthalene	38640-62-9	Asp. Tox.1; H304	>= 0,25 - < 0,5

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	254-052-6 - 01-2119565150-48	Aquatic Chronic1; H410 M-factor (Chronic aquatic toxicity): 1	
Substances with workplace exposure limits :			
Talc (Mg3H2(SiO3)4)	14807-96-6 238-877-9 - -		>= 20 - < 25

For explanation of abbreviations, see section 16.

SECTION 4: First aid measures

4.1 Description of first-aid measures:

General advice:

Keep warm and put in a quiet environment.
Show this safety data sheet to the doctor on duty.
Remove contaminated clothing immediately.

By inhalation:

Getting into the fresh air.
Keep victim warm and calm.
If unconscious, apply stable side position and seek medical attention.
If symptoms persist, consult a doctor.
In case of irregular breathing or respiratory arrest, apply artificial respiration.

On contact with skin:

Immediately wash with soap and plenty of water.
DO NOT use solvents or paint thinner.
In case of spillage on clothing, remove clothing.
If skin irritation persists, consult a doctor.

On contact with eyes:

Rinse immediately with plenty of water, including under the eyelids, for at least 15 minutes.
If eye irritation persists, consult a specialist.
As far as easy to do, remove any contact lenses.

If swallowed:

Keep calm.
Do not induce vomiting without medical advice.
Keep breathing passages clear.
If symptoms persist, consult a doctor.

4.2 Main acute and delayed symptoms and effects:

Symptoms:

Irritant effects
Redness
Sensitising effects

4.3 Indication of immediate medical attention and special treatment required:

Treatment:

The procedure for first aid should be drawn up together with the company doctor.

SECTION 5: Fire-fighting measures

5.1 Extinguishing media:

Suitable extinguishing agents:

Foam
Sand
Carbon dioxide (CO2)
Water mist

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Unsuitable extinguishing media:

Water spray jet

5.2 Special hazards arising from the substance or mixture:

Specific hazards in firefighting:

Heat can increase pressure in sealed containers.

Cool closed containers near the fire with water spray.

5.3 Advice for firefighters:

Special protective equipment for firefighters:

Wear compressed air mask in case of fire. Use personal protective equipment.

Further information:

In case of fire and/or explosion, avoid breathing fumes.

Use extinguishing agents suitable for the local conditions and environment.

Immediately evacuate personnel to a safe area.

Prevent extinguishing water from contaminating surface water or groundwater systems.

Combustion residues and contaminated firefighting water must be disposed of according to local regulations.

SECTION 6: Measures in case of accidental release of the substance or mixture

6.1 Personal precautions, protective equipment and emergency procedures:

Personal precautions:

See protective measures in sections 7 and 8.

Evacuate personnel to a safe area.

Use personal protective equipment.

Ensure adequate ventilation.

Inform the competent authority in case of gas leaks, or runoff into waterways, soil or sewers.

6.2 Environmental precautions:

Environmental precautions:

Avoid uncontrolled discharge of product into the environment.

Try to prevent the material from draining into sewers or watercourses.

In case of significant leaks that cannot be contained, the local government should be notified.

6.3 Methods and materials for containment and cleaning:

Cleaning methods:

Absorb in inert absorbent material (e.g. sand, silica gel, acid binder, universal binder, sawdust).

Limit spill and collect with non-combustible absorbent materials, (e.g. sand, earth, diatomaceous earth, vermiculite) and transfer to a container for disposal according to local/national regulations (see section 13).

Incorporate and transfer into properly labelled containers.

6.4 Reference to other sections:

For personal protection, see section 8.

SECTION 7: Handling and storage:

7.1 Precautions for safe handling of the substance or mixture:

Safe handling advice:

Ensure adequate ventilation and/or extraction in the workplace.

Avoid inhalation, ingestion and contact with skin and eyes.

Wear personal protective clothing.

Persons suffering from skin sensitisation problems, asthma, allergies, chronic or recurrent respiratory diseases should not perform work involving the use of this mixture.

Avoid formation of dust and aerosol.

Advice on protection against fire and explosion:

Keep away from open flames, hot surfaces and ignition sources.

Hygiene measures:

Ensure adequate ventilation. Wash hands and face before stopping work and immediately after using product.

7.2 Conditions for safe storage, including incompatibilities:

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Requirements for storage areas and containers:

Keep containers tightly closed in a dry, cool and well-ventilated place. Store in correctly labelled containers.

Advice for mixed storage:

Keep away from oxidising agents, strong acids or alkaline materials and amines.

Keep product and empty packaging away from heat and ignition sources.

Keep away from food and drink.

Other details:

Stable at normal room temperature and pressure.

7.3 Specific end use:

Specific use:

Before using this substance/mixture, refer to the technical guidelines.

SECTION 8: Exposure controls/personal protection measures

8.1 Control parameters:

Limits exposure on appeal

Components	CAS No.	Type of value (Mode of exposure)	Control parameters	Basic
Talc (Mg ₃ H ₂ (SiO ₃) ₄)	14807-96-6	TGG-8 hours (Respirabel)	2 mg/m ³	BE OEL
		TWA (Respirable dust)	0.1 mg/m ³	2004/37/EC
Further information	Carcinogenic or mutagenic agents			

Derived no-effect doses (DNEL) according to Regulation (EC) Number 1907/2006:

Substance name	End use	Route of exposure	Possible health condition	Value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Employees	Skin touch	Acute - systemic effects, Long-term - systemic effects	8.33 mg/kg
	Employees	Inhalation	Acute - systemic effects, Long-term - systemic effects	12.25 mg/m ³
	Consumers	Skin touch	Acute - systemic effects, Long-term - systemic effects	3,571 mg/kg
	Consumers	Inhalation	Acute - systemic effects, Long-term - systemic effects	0.75 mg/kg
Benzyl alcohol	Employees	Inhalation	Short-term exposure, Systemic effects	450 mg/m ³
	Employees	Inhalation	Long-term exposure, Systemic effects	90 mg/m ³
	Employees	Skin touch	Short-term exposure, Systemic effects	47 mg/kg
	Employees	Skin touch	Long-term exposure, Systemic effects	9.5 mg/kg
	Consumers	Ingestion	Short-term exposure, Systemic effects	25 mg/kg
	Consumers	Ingestion	Long-term exposure, Systemic effects	5 mg/kg
	Consumers	Inhalation	Short-term exposure, Systemic effects	40.55 mg/m ³
	Consumers	Inhalation	Long-term exposure, Systemic effects	8.11 mg/m ³
	Consumers	Skin touch	Short-term exposure, Systemic effects	28.5 mg/kg
	Consumers	Skin touch	Long-term exposure, Systemic effects	5.7 mg/kg
Oxirane, mono[(C10-16-alkyloxy)methyl] derivs.	Employees	Skin	Long-term - systemic effects	4 mg/kg
Bis(isopropyl)naphthalene	Consumers	Ingestion	Long-term - systemic effects	2.1 mg/kg
	Consumers	Skin touch	Long-term - systemic effects	2.1 mg/kg
	Employees	Skin touch	Long-term - systemic effects	4.3 mg/kg

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	Consumers	Inhalation	Long-term - systemic effects	7.4 mg/m3
	Employees	Inhalation	Long-term - systemic effects	30 mg/m3

Predicted no-effect concentration (PNEC) according to Regulation (EC) Number 1907/2006:

Substance name	Environmental compartment	Value
bis-[4-(2,3-epoxypropoxy)phenyl]propane	Freshwater	0.006 mg/l
	Seawater	0.0006 mg/l
	Sporadic release	0.018 mg/l
	Sewage treatment plant	10 mg/l
	Freshwater deposits	0.996 mg/kg
Benzyl alcohol	Sea deposits	0.0996 mg/kg
	Bottom	0.196 mg/kg
	Freshwater	1 mg/l
	Seawater	0.1 mg/l
	Freshwater deposits	5.27 mg/kg
Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives	Sea deposits	0.527 mg/kg
	Bottom	0.456 mg/kg
	Sewage treatment plant	39 mg/l
	Sporadic release	2.3 mg/l
	Freshwater	0.0072 mg/l
Bis(isopropyl)naphthalene	Seawater	0.00072 mg/l
	Freshwater deposits	6,677 mg/kg
	Sea deposits	0.6677 mg/kg
	Bottom	0.094 mg/kg
	Sewage treatment plant	1 mg/l
	Freshwater	0.00026 mg/l
	Seawater	0.000026 mg/l
	Freshwater deposits	0.94 mg/kg
	Sea deposits	0.094 mg/kg
	Bottom	0.19 mg/kg
Sewage treatment plant	0.15 mg/l	

8.2 Exposure control measures:

Technical controls:

Effective extraction ventilation system.

Effective ventilation at all workplaces.

Personal protection devices:

Eye protection:

Do not wear contact lenses.

Safety glasses with side shields according to EN 166.

Provide eyewash facilities and safety showers close to the workplace.

Hand protection

Material:

Protective gloves according to EN 374.

Skin and body protection:

Protective clothing

Respiratory protection:

In case of dust or aerosol formation, use a respirator with an approved filter.

Unless adequate local exhaust ventilation is provided, or exposure assessment shows that exposures are within recommended exposure guidelines, use respiratory protection.

The equipment must comply with EN 14387.

Apply engineering measures to comply with occupational exposure limits.

This can be achieved by good general extraction or, where practical, local exhaust ventilation.

Protective measures:

Avoid contact with skin.

Wear suitable personal protective equipment.

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SECTION 9: Physical and chemical properties

9.1 Information on basic physical and chemical properties:

Physical state:	pasta
Colour:	grey
Odour:	light
Odour threshold value:	Not performed
Melting/freezing point:	Not applicable
Boiling point/boiling range:	Not applicable
Upper explosion limit / Upper flammability limit:	Not applicable
Lower explosion limit / Lower flammability limit:	Not applicable
Flash point:	150°C
Ignition temperature:	Not applicable
Self-ignition temperature:	Not applicable
Decomposition temperature:	No data available
pH:	substance/mixture insoluble (in water)

Viscosity

Viscosity, dynamic:	Not performed
Viscosity, kinematic:	Not performed

Solubility

Solubility in water:	Not performed
Solubility in other solvents:	Not performed
Partition coefficient: n-octanol/water:	No data available
Vapour pressure:	Not applicable
Density:	1.2 g/cm ³ (25°C)
Bulk specific gravity:	Not exported
Relative vapour density:	Not performed

Particle characteristics

Particle size:	Not performed
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9.2 Other information

Explosives:	Not applicable
Oxidising properties:	Not applicable
Self-ignition:	Not applicable
Evaporation rate:	Not performed
Surface tension:	Not performed
Sublimation point:	Not applicable

SECTION 10: Stability and reactivity

10.1 Reactivity:

Stable under recommended storage conditions.

10.2 Chemical Stability:

No decomposition if stored and applied as indicated.

10.3 Potential Hazardous Reactions:

Dangerous reactions:

Reacts with the following substances:

Bases.

Strong oxidising agents.

Avoid amines.

10.4 Conditions to avoid:

No decomposition if directions are followed.

10.5 Chemically interacting Materials:

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Materials to avoid:

Incompatible with oxidising agents.

10.6 Hazardous Decomposition Products:

The following substances may be released from this product:

Carbon monoxide, carbon dioxide and unburned hydrocarbon (smoke).

SECTION 11: Toxicological information

11.1 Information on toxicological effects:

Acute Toxicity

Product:

Acute oral toxicity:

Acute toxicity estimates : > 2,000 mg/kg

Method: Calculation method

Acute toxicity by inhalation:

Acute toxicity estimates : > 5 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Calculation method

Acute dermal toxicity:

Comments: No data available

Acute toxicity (other route of administration):

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Acute oral toxicity:

LD50 (Rat, female): > 2,000 mg/kg

Method: Guideline test OECD 420

GLP: yes

Acute dermal toxicity:

LD50 (Rat, male and female): > 2,000 mg/kg

Method: Guideline test OECD 402

GLP: yes

benzyl alcohol:

Acute toxicity by inhalation:

LC50 (Rat, male and female): > 4,178 mg/l

Exposure time: 4 h

Test atmosphere: dust/mist

Method: Guideline test OECD 403

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Acute oral toxicity:

LD50 (Rat): 26,800 mg/kg

Method: No data available.

GLP: no

Acute dermal toxicity:

LD50 (Rat, male and female): > 2,000 mg/kg

Method: Guideline test OECD 402

GLP: yes

Bis(isopropyl)naphthalene:

Acute toxicity by inhalation:

LC50 (Rat, male and female): > 5.64 mg/l

Exposure time: 4 h

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Test atmosphere: dust/mist

Method: Guideline test OECD 403

GLP: yes

Acute dermal toxicity:

LD50 (Rat, male and female): > 4,000 mg/kg

Method: Guideline test OECD 402

GLP: yes

Skin corrosion/irritation

Product:

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Species: Rabbit

Exposure time: 4 h

Method: Guideline test OECD 404

Result: skin irritation

GLP: yes

benzyl alcohol:

Species: Rabbit

Method: Guideline test OECD 404

Result: no skin irritation

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Species: Rabbit

Method: Guideline test OECD 404

Result: no skin irritation

GLP: yes

Bis(isopropyl)naphthalene:

Species: Rabbit

Method: Guideline test OECD 404

Result: no skin irritation

GLP: yes

Serious eye damage/eye irritation

Product:

Comments: No data available

Constituents:

benzyl alcohol:

Species: Rabbit

Method: Guideline test OECD 405

Result: eye irritation

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Species: Rabbit

Method: Guideline test OECD 405

Result: no eye irritation

GLP: yes

Bis(isopropyl)naphthalene:

Species: Rabbit

Method: Guideline test OECD 405

Result: no eye irritation

GLP: yes

Respiratory/skin sensitisation

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Product:

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Test type: Mouse Local Lymph Node assay (LLNA)

Type: Mouse

Method: Guideline test OECD 429

Result: May cause sensitisation by skin contact.

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: May cause sensitisation by skin contact.

GLP: yes

Bis(isopropyl)naphthalene:

Test type: Maximisation test

Route of exposure: Skin

Species: Guinea pig

Method: Guideline test OECD 406

Result: Does not cause skin hypersensitivity.

GLP: yes

Carcinogenicity

Product:

Comments: No data available

Reproductive toxicity

Product:

Effects on fertility:

Comments: No data available

Effects on foetal development:

Comments: No data available

STOT from single exposure

Product:

Comments: No data available

STOT on repeated exposure

Product:

Comments: No data available

Repeated-dose toxicity

Product:

Comments: No data available

Aspiration toxicity

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

No classification for aspiration toxicity.

11.2 Information on other hazards

Endocrine-disrupting properties

Product:

Assessment:

The substance/mixture does not contain components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

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Further information

Product:

Notes:

No data available

SECTION 12: Ecological information

12.1 Toxicity:

Product:

Toxicity to fish:

Comments: No data available

Toxicity to daphnia and other aquatic invertebrates:

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia (Aquatic fly)): 1.7 mg/l

Exposure time: 48 h

Test type: static test

Method: OECD Test Guideline 202

GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC: 0.3 mg/l

Exposure time: 21 d

Species: Daphnia magna (large water flea)

Test type: semi-static test

Method: OECD Test Guideline 211

GLP: yes

benzyl alcohol:

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (large water flea)): 230 mg/l

Exposure time: 48 h

Method: OECD Test Guideline 202

GLP: yes

Toxicity to algae:

ErC50 (Pseudokirchneriella subcapitata (green algae)): 770 mg/l

Exposure time: 72 h

Test type: static test

Method: OECD Test Guideline 201

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Toxicity to fish:

LC50 (Oncorhynchus mykiss (rainbow trout)): 7 mg/l

Exposure time: 96 h

Test type: static test

Method: Guideline test OECD 203

GLP: yes

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (large water flea)): 7.2 mg/l

Exposure time: 48 h

Test type: static test

Method: OECD Test Guideline 202

GLP: yes

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Bis(isopropyl)naphthalene:

Toxicity to fish:

LC50 (Leuciscus idus (Goldwind)): > 0.5 mg/l

Exposure time: 96 h

Test type: semi-static test

Method: Directive 67/548/EEC, Annex V, C.1.

GLP: yes

Toxicity to daphnia and other aquatic invertebrates:

EC50 (Daphnia magna (large water flea)): 1.7 mg/l

Exposure time: 48 h

Test type: semi-static test

Method: OECD Test Guideline 202

GLP: yes

Toxicity to daphnia and other aquatic invertebrates (Chronic toxicity):

NOEC: 0.013 mg/l

Exposure time: 21 d

Species: Daphnia magna (large water flea)

Test type: semi-static test

M-factor (Chronic aquatic toxicity):

1

12.2 Persistence and Degradability:

Product:

Biodegradability:

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Biodegradability:

Result: Not readily biodegradable.

Method: Guideline test OECD 301F

GLP: yes

Bis(isopropyl)naphthalene:

Biodegradability:

Test type: aerobic

Result: Not readily biodegradable.

Method: Guideline test OECD 310

GLP: yes

12.3 Bioaccumulation:

Product:

Bioaccumulation:

Comments: No data available

Constituents:

bis[4-(2,3-epoxypropoxy)phenyl]propane:

Partition coefficient: n-octanol/water:

log Pow: 3,242 (25 °C)

pH: 7.1

Method: OECD Test Guideline 117

GLP: yes

Oxirane, mono[(C10-16-alkyloxy)methyl] derivatives:

Partition coefficient: n-octanol/water:

log Pow: 6,6

pH: 6.74

Method: OECD Test Guideline 117

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GLP: yes

Bis(isopropyl)naphthalene:

Bioaccumulation:

Species: Cyprinus carpio (Carp)

Bioconcentration factor (BCF): > 500

Method: Guideline test OECD 305

GLP: yes

12.4 Mobility in soil:

No data available

12.5 Results of PBT and vPvB assessment:

Product:

Assessment:

This substance/mixture does not contain any components that can be considered persistent, bioaccumulative and toxic (PBT) or very persistent and very bioaccumulative (vPvB) at levels of 0.1% or higher.

12.6 Endocrine disrupting properties

Product:

Assessment:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

12.7 Other Harmful Effects:

Product:

Further information:

The substance/mixture does not contain any components believed to have endocrine-disrupting properties according to REACH article 57(f) or Commission Delegated Regulation (EU) 2017/2100 or Commission Regulation (EU) 2018/605 at level 0.1% or higher.

Additional ecological information:

Remarks: There is a risk of environmental damage if this substance is handled or disposed of improperly.

SECTION 13: Disposal instructions

13.1 Waste treatment methods:

Product:

According to local and national regulations.

Container dangerous when empty.

Do not dispose together with household waste.

Do not mix streams during waste collection.

Contaminated packaging:

Empty containers should be disposed of at an authorised waste treatment facility for reuse or disposal.

SECTION 14: Information relating to transport

14.1 UN number

ADR/RID/ADN: UN 3077

IMDG: UN 3077

IATA: UN 3077

14.2 Proper cargo name according to UN model regulations

ADR/RID/ADN: ENVIRONMENTALLY HAZARDOUS SOLID, N.O.S.
(2,2-bis[4-(2,3-epoxypropoxy)phenyl]propane)

IMDG: ENVIRONMENTALLY HAZARDOUS SUBSTANCE, SOLID, N.O.S.
(bis[4-(2,3-epoxypropoxy)phenyl]propane)

IATA: Environmentally hazardous substance, solid, n.o.s.
(bis[4-(2,3-epoxypropoxy)phenyl]propane)

14.3 Transport hazard class(es)

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ADR/RID/ADN: 9

IMDG: 9

IATA: 9

14.4 Packing group

ADR/RID/ADN

Packing group: III

Classification code: M7

Hazard identification no.: 90

Labels: 9

Tunnel restriction code: -

Comments: ADR: These substances when carried in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids, are not subject to any other provisions of ADR provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8.

IMDG

Packing group: III

Labels: 9

EmS Code: F-A, S-F

Notes: IMDG Code segregation group - none

IMDG: Marine pollutants packaged in single or combination packagings containing a net quantity per single or inner packaging of 5 l or less for liquids or having a net mass per single or inner packaging of 5 kg or less for solids are not subject to any other provisions of this Code relevant to marine pollutants provided the packagings meet the general provisions of 4.1.1.1, 4.1.1.2 and 4.1.1.4 to 4.1.1.8. In the case of marine pollutants also meeting the criteria for inclusion in another hazard class all provisions of this Code relevant to any additional hazards continue to apply.

IATA (cargo)

Packing requirement (cargo aircraft): 956

Packing group: III

Labels: Miscellaneous

Notes: IATA: These substances when transported in single or combination packagings containing a net quantity per single or inner packaging of 5 L or less for liquids or having a net mass of 5 kg or less for solids, are not subject to any other provisions of these Regulations provided the packagings meet the general provisions of 5.0.2.4.1, 5.0.2.6.1.1 and 5.0.2.8.

IATA (passenger)

Packing requirement (passenger aircraft): 956

Packaging requirement (LQ): Y956

Packing group: III

Labels: Miscellaneous

14.5 Environmental hazards

ADR/RID/AND

Environmental hazard: yes

IMDG

Marine pollution: yes

IATA

Environmentally hazardous: yes

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14.6 Special precautions for the user

Notes:

The transport of dangerous goods, including loading and unloading, must be carried out in accordance with regulations by personnel who have received the necessary training;

The transport classification(s) given herein are for information only, and based solely on the properties of the unpackaged material as described in this safety data sheet. Transport classifications may vary in terms of mode of transport, size of packaging and variations in regional or national regulations.

14.7 Sea transport in bulk in accordance with IMO instruments

Not applicable for product, as delivered.

SECTION 15: Statutory information

15.1 Safety, health and environmental regulations and legislation specific to the substance or mixture:

REACH - Restrictions on the manufacture, placing on the market and use of certain dangerous substances, preparations and articles (Annex XVII):

Not applicable

REACH - Candidate list of substances of very high concern for authorisation (Article 59)...

This product does not contain substances of very high concern (Regulation (EC) No 1907/2006 (REACH), Article 57).

Regulation (EC) No 1005/2009 on ozone-depleting substances:

Not applicable

Regulation (EE) 2019/1021 on persistent organic pollutants (recast):

Not applicable

Regulation (EC) No 649/2012 of the European Parliament and of the Council concerning the export and import of dangerous chemicals:

Not applicable

REACH - List of substances subject to authorisation (Annex XIV):

Not applicable

REGULATION (EU) 2019/1148 on the marketing and use of explosives precursors:

Not applicable

Overviews of toxic chemicals and precursor (intermediate) compounds of the International Convention on Chemical Weapons ("International Chemical Weapons Convention (CWC))":

Not applicable

Council Regulation (EC) No 111/2005 laying down rules for the monitoring of trade between the Community and third countries in drug precursors:

Not applicable

Seveso III: Directive 2012/18/EU of the European Parliament and of the Council on the control of major-accident hazards involving dangerous substances:

E2

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Other regulations:

As for the composition of the product, we deliberately do not add any of the substances indicated in European Directive 2011/65/EU (RoHS 2, RoHS3 and China RoHS).

The product therefore complies with the said guidelines.

Also, no conflict minerals are deliberately added to the product.

15.2 Chemical safety assessment:

Not applicable.

SECTION 16: Other information

Items in which relevant changes have been made from the previous version are marked in the main body of this document by a vertical line.

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Full text of the H statements

H302:	Harmful if swallowed.
H304:	May be fatal if swallowed and enters airways
H315:	Causes skin irritation.
H317:	May cause an allergic skin reaction.
H319:	Causes severe eye irritation.
H332:	Harmful by inhalation.
H410:	Very toxic to aquatic organisms, with long-lasting effects.
H411:	Toxic to aquatic organisms with long-lasting effects.

Full text of other abbreviations

Acute Tox:	Acute toxicity
Aquatic Chronic:	(Chronic) Aquatic long-term hazard
Asp. Tox:	Aspiration hazard
Eye Irrit:	Eye irritation
Skin Irrit:	Skin corrosion/irritation
Skin Sens:	Skin sensitisation
2004/37/EC:	Directive 2004/37/EC on the protection of workers from the risks related to exposure to carcinogens or mutagens at work
BE OEL:	Occupational exposure limits
2004/37/EC / TWA:	Limit value for long-term exposure
BE OEL / TGG 8 hr:	Limit value

ADN - European Agreement concerning the International Carriage of Dangerous Goods by Inland Waterways; ADR - European Agreement concerning the International Carriage of Dangerous Goods by Road (ADR Agreement); AIIC - Australian Inventory of Industrial Chemicals; ASTM - American Association for the Testing of Materials; bw - Body Weight; CLP - Regulation on Classification, Labelling and Packaging; Regulation (EC) No 1272/2008; CMR - Carcinogenic, mutagenic or toxic to reproduction; DIN - Standard of the German Institute for Standardisation; DSL - List of substances used indoors (Canada); ECHA - European Chemicals Agency; EC-Number - EINECS number; ECx - Concentration associated with x% response; ELx - Charge capacity associated with x% response; EmS - Emergency Schedule; ENCS - Existing and New Chemicals (Japan); ErCx - Concentration associated with x% growth response; GHS - Globally Harmonised System; GLP - Good Laboratory Practice; IARC - International Agency for Research on Cancer; IATA - International Air Transport Association; IBC - IMO International Code for the Construction and Equipment of Ships Carrying Dangerous Chemicals in Bulk; IC50 - Half-Maximum Inhibitory Concentration; ICAO - International Civil Aviation Organisation; IECSC - Inventory List of Existing Chemicals in China; IMDG - International Maritime Dangerous Goods; IMO - International Maritime Organisation; ISHL - Industrial Safety and Health Law (Japan); ISO - International Organisation for Standardisation; KECI - Korean Inventory of Existing Chemicals; LC50 - Lethal concentration for 50% of a test population; LD50 - Lethal dose for 50% of a test population (lethal dose median); MARPOL - International Convention for the Prevention of Pollution from Ships; n.o.s. - Not otherwise specified; NO(A)EC - No discernible (negative) effect on concentration; NO(A)EL - No discernible (negative) effect on Level; NOELR - No discernible effect on cargo capacity; NZIoC - New Zealand inventory of chemicals; OECD - Organisation for Economic Co-operation and Development OECD; OPPTS - Office of Chemical Safety and Pollution Prevention; PBT - Persistent, bioaccumulative and toxic substance; PICCS - Philippine inventory of chemicals and chemical substances; (Q)SAR - (Quantitative) structure-activity relationships; REACH - Regulation (EC) No 1907/2006 of the European Parliament and of the Council concerning the Registration, Evaluation, Authorisation and Restriction of Chemicals (REACH); RID - Regulations concerning the International Carriage of Dangerous Goods by Rail (RID); SADT - Self-accelerating decomposition temperature; SDS - Safety Data Sheet; SVHC - Substance of Very High Concern; TCSI - Taiwanese Inventory of Chemical Substances; TECI - Inventory of Chemical Substances Existing in Thailand; TRGS - Technical Regulation on Hazardous Substances; TSCA - Toxic Substances Control Act (USA); UN - United Nations; vPvB - Very Persistent and Very Bioaccumulative

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Further information

Training advice:

Provide proper information, instruction and training for users.

Classification of the preparation:

Skin Irrit. 2	H315
Eye Irrit. 2	H319
Skin Sens. 1	H317
Aquatic Chronic 2	H411

Classification procedure:

Calculation method
Calculation method
Calculation method
Calculation method

To the best of our knowledge, the information in this safety data sheet is correct at the date of issue indicated. This information is intended only as guidance on safe handling, use, processing, storage, transportation, disposal, and release, and should not be considered a guarantee or indication of quality.